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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

01/13/2004

OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320 EXAMINER
CASTRO, ARNOLD

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PAPER NUMBER

ART UNIT

DATE MAILED: 01/13/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/987.411	11/14/2001	Takashi Suzuki	110648	7031

TITLE OF INVENTION: CRANKING-CAUSED VIBRATION SUPPRESSING APPARATUS AND METHOD FOR INTERNAL COMBUSTION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE'	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonnmyisional	NO	\$1330	\$300	\$1630	04/13/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

DVKL B - LEE(2) LBYNZWILLYF

0004-947 (507) Mail Stop ISSUE FEE
Commissioner for Patents
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Complete and send this form, together with applicable fee(s), to: \overline{Mail}

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Note: A certificate of mailing can only be used for any other accompanying Fee(s) Transmittal. This certificate cannot be used for any other accompanying	(Note: Legibly mark-up with any corrections or use Block t_1	ONDENCE VDDKE	СЛИКЕМТ СОВИЕЅРС
PUBLICATION FEE (if required). Blocks I through 4 should be completed where after ion of maintenance fees will be mailed to the current correspondence address as a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for	ence including the Patent advance orders and	ner correspondi	Duit IIA stringongo

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04/13/2004	0.631\$	0.88	(1333	ON	Isnoisivorquon
DATE DUE	TOTAL FEE(S) DUE	EURLICATION FEE	99	ISSUE F	SMALL ENTITY	АРРГИ, ТҮРЕ
CONFIRMATION NO. 7031 FUGINE	ATTORNEY DOCKET NO. 110648	xuki	FIRST WANNED '' Solide APPERA	-	KYNKING-CYNZED AIBE 11/14/3001 LIFING DYLE	APPLICATION NO. TITLE OF INVENTION: C
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(Signatura)						
(Depositor's nunc)						
Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Found Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.			.*			OLIFF & BERNI P.O. BOX 19928 PLEXANDRIA, V

OMB 06: 3 O.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE TRANSMIT THIS FC - 1 WITH FEE(S) PTOL-85 (Rev. 11/03) Approved for use through 04/30/2004.



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09/987,411	11/14/2001	Takashi . Ai	110648	7031
25944 75	90 01/13/2004		EXAM	INER
OLIFF & BERRI	DGE, PLC		CASTRO,	ARNOLD
P.O. BOX 19928 ALEXANDRIA, VA 22320		ART UNIT	PAPER NUMBER	
, ————————, · · ·			3747	
			DATE MAIT ED: 01/13/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or eiter May 29, 2000)

The Patent Term Adjustment to date is 210 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tresday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 210 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Question relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)
	Application No.	Applicant(s)
Notice of Allowability	09/987,411	SUZUKI, TAKASHI
Notice of Allowability	Examiner	Art Unit
	Arnold Castro	3747
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.315	(OR REMAINS) CLOSE) or other appropriate co IGHTS. This application	ED in this application. If not included mmunication will be mailed in due course. THIS
 This communication is responsive to The allowed claim(s) is/are 3-5,8,12-15,18 and 22. The drawings filed on 14 November 2001 are accepted by 4. Acknowledgment is made of a claim for foreign priority un a)	der 35 U.S.C. § 119(a)-(d) or (f).
Certified copies of the priority documents have	e been received in Appli	cation No
 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	cuments have been rec	eived in this national stage application from the
Acknowledgment is made of a claim for domestic priority up to the control of	inder 35 I I S C & 110(e)	(to a provisional application)
(a) The translation of the foreign language provisional		
6. Acknowledgment is made of a claim for domestic priority u		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this application. THIS	THREE-MONTH PERIOD IS NOT EXTENDABLE.
7. A SUBSTITUTE OATH OR DECLARATION must be subrinFORMAL PATENT APPLICATION (PTO-152) which gives rea		
 8. ☐ CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No 		
(b) ☐ including changes required by the proposed drawing(c) ☐ including changes required by the attached Examine		
Identifying indicia such as the application number (see 37 CFR each sheet.	.84(c)) should be written	on the drawings in the front (not the back) of
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR T		
Attachment(s)		
 1 □ Notice of References Cited (PTO-892) 3 □ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 □ Information Disclosure Statements (PTO-1449), Paper No. 6 7 □ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4 <u> </u>	ce of Informal Patent Application (PTO-152) rview Summary (PTO-413), Paper No miner's Amendment/Comment miner's Statement of Reasons for Allowance er

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

All independent claims contain a limitation to suppressing the vibrations of an engine during cranking of the engine by a motor and estimating the fluctuation in resistance torques in accordance with the rotational phase of the crankshaft and the controller adjusting the rotational phase of the crankshaft occurring at the beginning of cranking as determined by estimation. The prior art did not disclose or suggest such an invention.

Allowable Subject Matter

2. Claims 3-5, 8, 12-15, 18, and 22 are allowed.

Conclusion

- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure are starter motors that reduce engine vibrations during operation of internal combustion engine and are listed in attach PTO-892. Copies of U.S. Patents are not provided pursuant to MPEP 1302.12.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arnold Castro whose telephone number is (703) 305-0039. The examiner can normally be reached on 7:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yuen Henry can be reached on (703) 308-1946. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

MAHMOUD GIMIE
PRIMARY PATENT EXAMINEF
ART UNIT 3747

Arnold Castro Examiner Art Unit 3747

AC January 11, 2004